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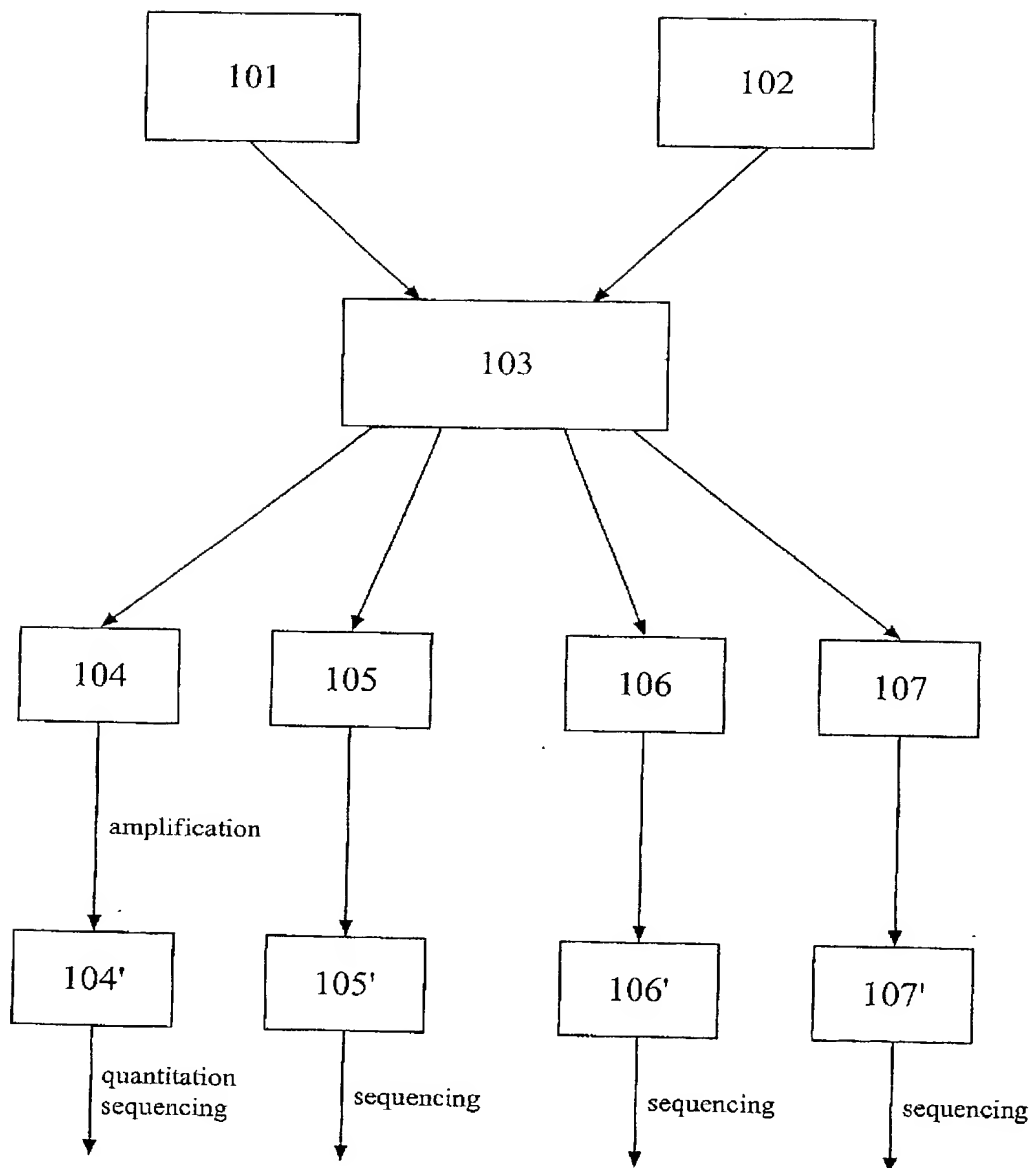


FIG. 1



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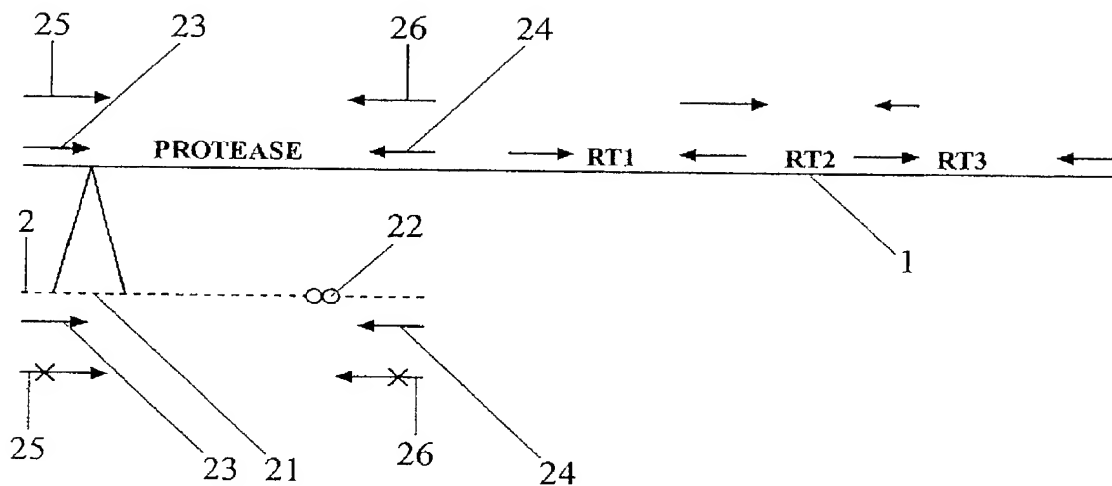


FIG. 2A

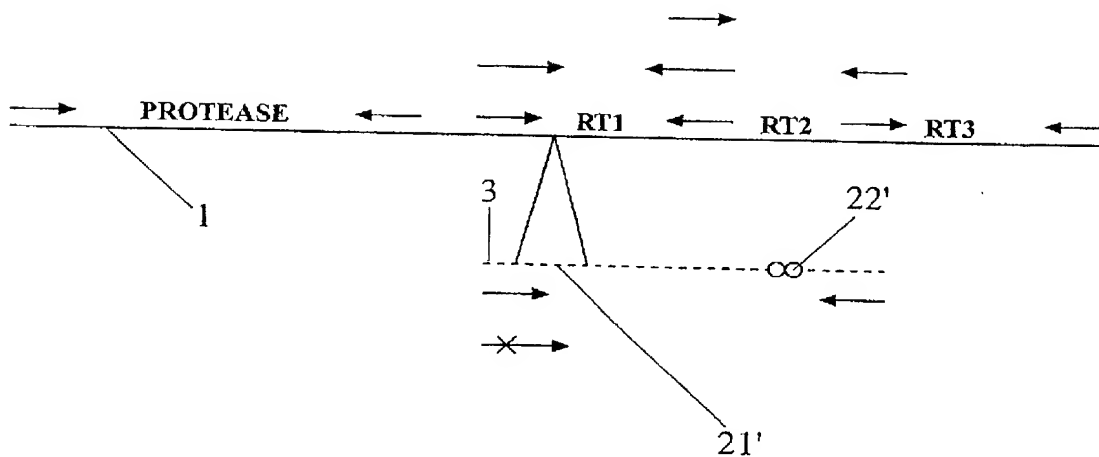


FIG. 2B



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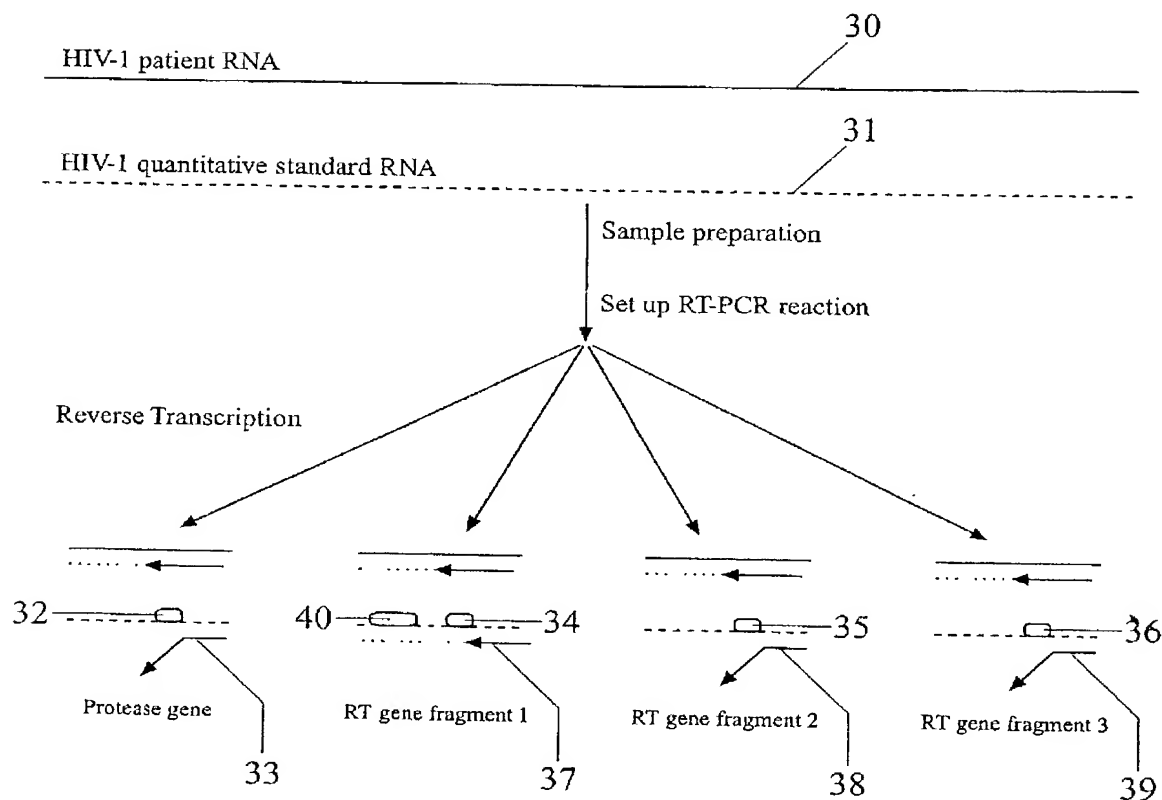


FIG. 3A

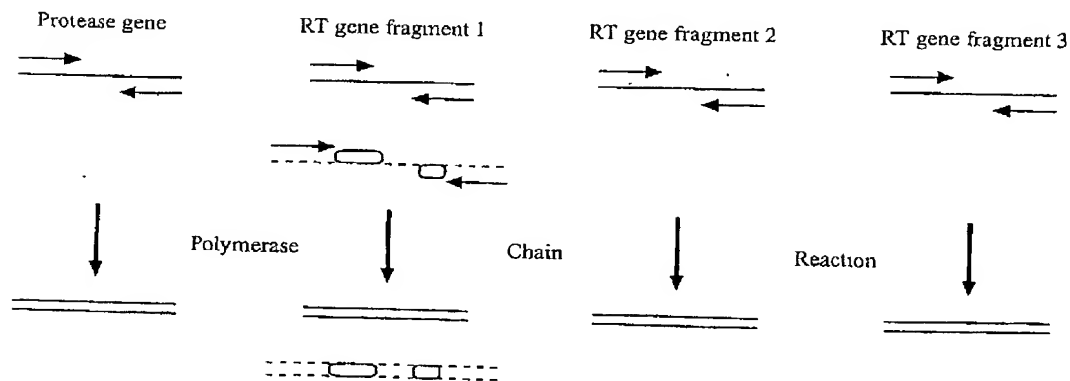


FIG. 3B



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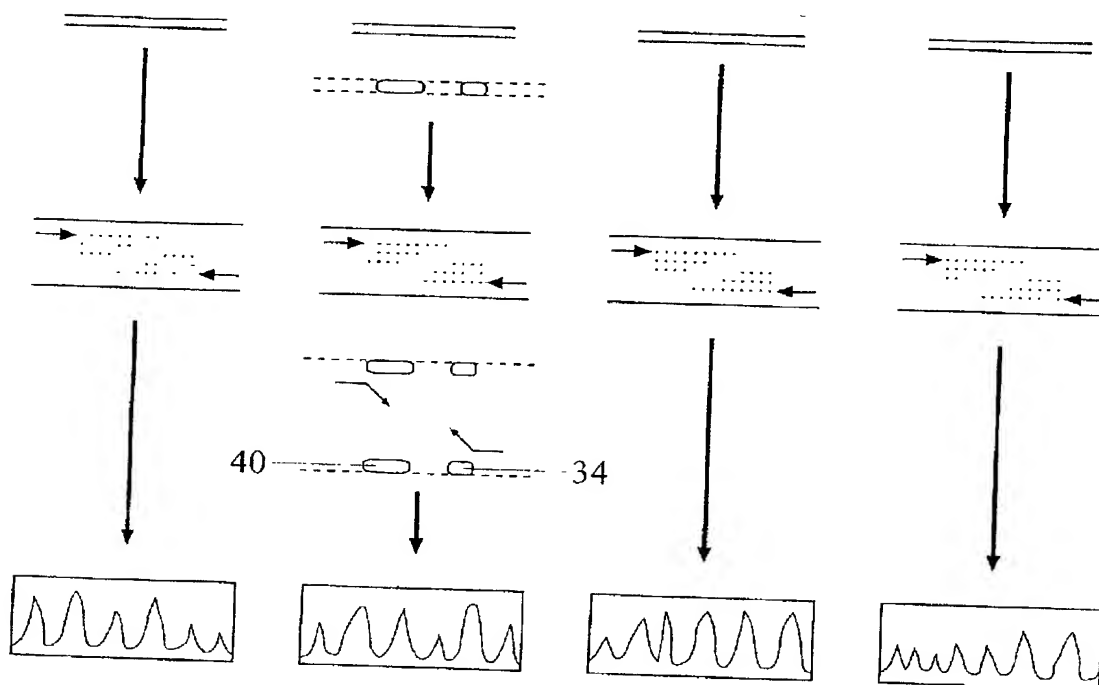


FIG. 3D

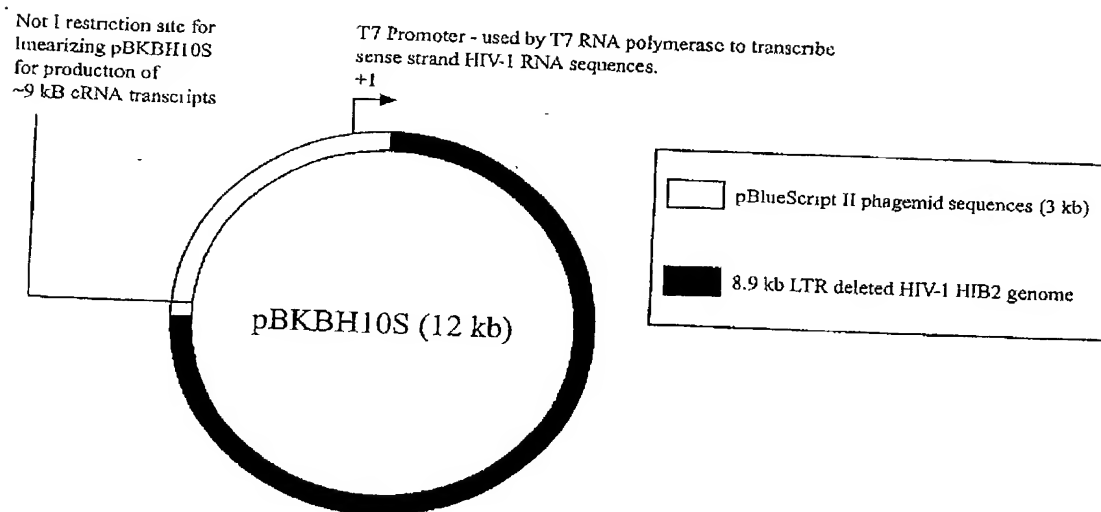


FIG. 4



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5' to 3' direction of HIV-1 sense sequence →

RT562F-A primer (for sequencing)

RT558F primer (for RT-PCR)

5' aaaagttaaacaatggccattgacag aagaaaaataaaagcattagtagaaattgtacagagatggaaaagga 3' base pairs
 3' ttttcaatttggtaacggtaactgtc ttcttttttatttttcgtaatcatctttaacatgtctctacettttcct 5' 2606 to 2680

tcttaataaataagca
aggacttatttatcgt

16 bp insertion added between nucleotides 2631 and 2632.
The four terminal 3' nucleotides sequencing primer RT562F-A do not hybridize to sequences in the insert.

FIG. 5

5' to 3' direction of HIV-1 sense sequence →

gg → cc
cc 3007/8 gg

Mutagenesis of nucleotides 3007 and 3008 to prevent primer extension of RT959R sequencing primer

5' tcagtacaatgtgcttccacagggat gg aaaggatcaccagcaatattccaaagtagc base pairs
 3' agtcatgttacacgaagggtgtcccta cc ttctctagtggtcggttataagggttctcatcg 2981 to 3038

RT964-2-R primer (for RT-PCR)

RT959R primer (for sequencing)

FIG. 6



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Estimated vs. Actual HIV-1 Sample Copy Number

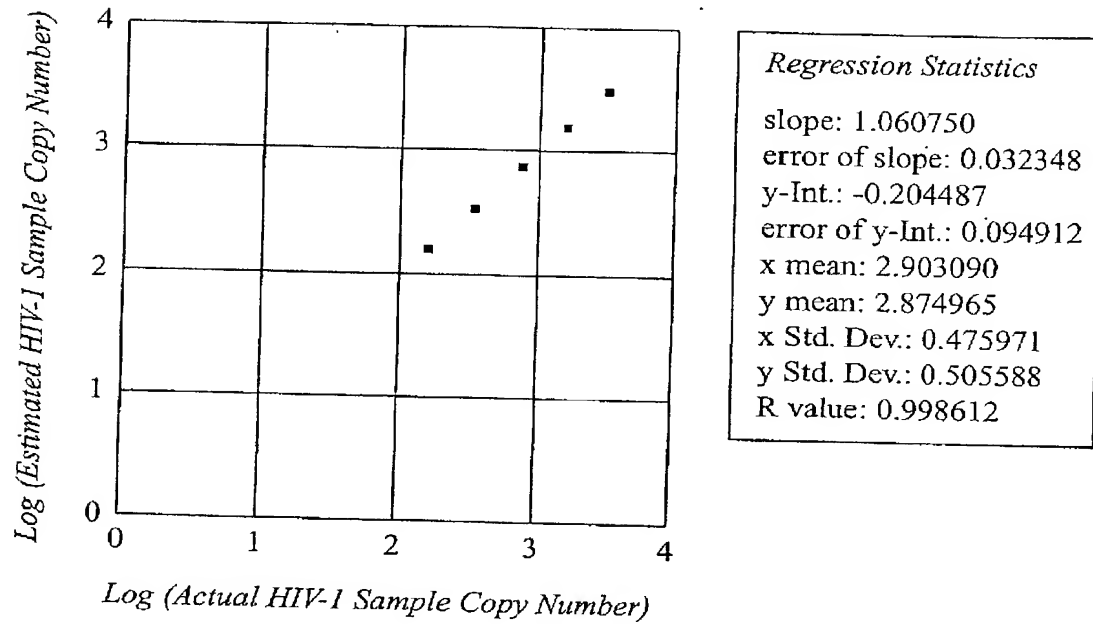


FIG. 7